PAYLOA	a. NO: AMS-02-F02	
b. PAYLOAD Alpha Magnetic S	c. PHASE:	
d. SUBSYSTEM: Materials, AMS-0	2 DDRS-02 e. HAZARD GROUP: Injury/Illness	f. DATE: March 31, 2006
g. HAZARD TITLE: Toxic Material Of	fanssina	i. HAZARD CATASTROPHIC
g. HAZARD TITLE. TOXIC WATERIAL OF	igassing	CATEGORY: CRITICAL X
h. APPLICABLE SAFETY REQUIREMENTS:		
j. DESCRIPTION OF HAZARD:	This hazard report covers the AMS-02 probiter crew habitable volume during A ISS. This hardware consists of interface	materials of construction of hardware used within the ary/illness. provided hardware to be used within the Shuttle AMS-02 systems check out prior to deployment to the e cables and a commercial off the shelf (COTS) RS a standard Orbiter PGSC expansion chassis.
l. Use of hardware/m (list)	aterials of construction which offgas excessive	e levels of toxic products.
o. APPROVAL	PAYLOAD ORGANIZATION	SSP/ISS
PHASE I		
PHASE II		
PHASE III		

PAYLOAD FLIGHT HAZARD REPORT		a. NO: AMS-02-F02		
Alpha Magnetic Spectrometer-02 (AMS-02) c. PHASE:		II		
I. HAZARD CONTROL (CONTROL), m. SAFETY VERIFICATION METHODS (SVM), n. STATUS OF VERIFICATIONS (STATUS)				
1. CAUSE: Use of hardware/materials of construction which offgas excessive levels of toxic products.				
1.1 CONTROL: Materials of construction of cabling of for the DDRS2 have been selected based on material ratings and past flight experience for cable construction.				
1.1.1 SVM: Material Selection Assessment for Offgas Rating.				
1.1.2 SVM: JSC ES4 approval of material certification.				
1.1.3 SVM: QA certification of as built hardware.				
1.1.1 STATUS: Open				
1.1.2 STATUS: Open				
1.1.3 STATUS: Open				
1.2 CONTROL: The DDRS2 interface card COTS hardware will be conformally coated and assessed for offgas potential.				
1.2.1 Review of Design.				
1.2.2 QA inspection of flight hardware.				
1.2.3 Material certification approval by JSC/ES4.				
1.2.1 STATUS: Open				
1.2.2 STATUS: Open				
1.2.3 STATUS: Open				
Notes:				

ACRONYMS		
AMS-02 – Alphamagnetic Spectrometer 02	Ops – Operations	
COTS – Commercial Off the Shelf	QA – Quality Assuranec	
DDRS2 – Digital Data Recording System 2	SVM – Safety Verification Method	
PGSC – Payload General Support Computer		